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| Application No. | Applicant(s) |  |
|-----------------|--------------|--|
| 10/002,258      | ALLEN ET AL. |  |
| Examiner        | Art Unit     |  |
| Ting Zhou       | 2173         |  |

| √ | Rejected |
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| I | Interference |

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| o | Objected |

|  |               | Щ  |              |         |         |              |            |          |  | _            | ı        |          |  |          |  |  |          |          | L        |          |   |         |       |       | l L        | l       |    |          |              |          |          |            |   |
|--|---------------|--|--------------|---------|---------|--------------|------------|----------|--|--------------|----------|----------|--|----------|--|--|----------|----------|----------|----------|---|---------|-------|-------|------------|---------|----|----------|--------------|----------|----------|------------|---|
| Cla  | aim           | Date   |              |         |         |              | Claim Date |          |  |              |          |          |  |          | Claim Date                                       |  |          |          |          |          |   |         |       |       |            |         |    |          |              |          |          |            |   |
| Final  | Original      | 5/17/64  |              |         |         |              |            |          |  |              |          |          | Final  | Original |  |  |          |          |          |          |   |         |       | Final | Original   |         |    |          |              |          |          |            |   |
|  | 0             | 5  | <b>-</b>     | ⊦       | +-      | +            |            |          |  | -            |          |          |  | 51       | ļ  | _  | _        |          | $\dashv$ | +        |   | +-      |       |       | 101        | +       | -  |          |              |          | +        | -          |   |
| -  | 2             | 1  | ⊢            | ╁       | +       | +            |            | $\dashv$ |  | $\vdash$     |          |          |  | 52       | ├  | _  |          | $\vdash$ | $\dashv$ | +        | +   | +       | 1     |       | 102        | +-      | +- | _        | _            |          | $\dashv$ | $\dashv$   | _ |
|  | 3             | H  | ┢            | ╁       | ╁       | +            | _          | $\dashv$ | _  | $\vdash$     | $\vdash$ | 1        |  | 53       | ┢  | $\vdash$   | -        | -        |          |          | +   | +-      |       |       | 103        | +-      | ╁╴ |          |              | _        | $\dashv$ |            |   |
|  | 4             | 1  | $\vdash$     | ┢       | +       | 1            | -          | _        |  |              |          |          | -  | 54       | <del>                                     </del> |  |          |          | _        | +        | +   | +-      | 1     |       | 104        | +       | +  | -        |              |          | $\dashv$ | $\dashv$   |   |
|  | 5             | H  | H            | T       | t       | 1            |            |          |  |              |          |          |  | 55       |  |  |          |          | 7        | +        | $\top$  | $\top$  | 1     |       | 105        |         | t  |          | -            |          | 十        | $\dashv$   |   |
|  | 6             | IT   | $\vdash$     | T       | $\top$  | 7            |            |          | _  |              | Г        |          |  | 56       |  |  |          |          |          | 十        | _   | $\top$  |       |       | 106        |         |    |          |              |          | $\dashv$ | $\dashv$   |   |
|  | 7             | П  |              |         | T       | T            |            |          |  |              |          |          |  | 57       |  |  |          |          |          |          |   |         |       |       | 107        | 7       | 1  |          |              |          | T        |            |   |
|  | (8)           | П  |              |         |         |              |            |          |  |              |          | ]        |  | 58       |  |  |          |          |          |          |   |         | ]     |       | 108        |         |    |          |              |          | $\Box$   |            |   |
|  | 9             | П  |              |         |         |              |            |          |  |              |          | ];;;;    |  | 59       |  |  |          |          |          |          |   |         |       |       | 109        |         |    |          |              |          |          |            |   |
|  | 10            | Ш  |              |         |         | ┙            |            |          |  |              |          |          |  | 60       |  |  |          |          |          |          |   |         | 1     |       | 110        |         |    |          |              |          |          |            |   |
| L  | 11            | Ц  | L            | L       | $\perp$ | $\perp$      | _          | _        | _  | L            | _        |          | <u> </u>   | 61       | _  | _  |          | Ш        | _        | $\perp$  | _ _   | _       | 1     |       | 111        |         |    | $\Box$   |              |          | _[       | $\prod$    |   |
| ļ  | 12            | $\parallel$                                      | ļ            | -       | - -     | 4            |            |          |  | ļ            |          | ļ        |  | 62       | <u> </u>   | L  | ļ        |          |          | $\perp$  | $\perp$   | $\bot$  |       |       | 112        |         | 4_ | _        | _            |          |          | $\dashv$   |   |
|  | 13            | #  | _            | +       | 4       | 4            |            |          | <b></b> -  | _            | _        | <b> </b> |  | 63       | <u> </u>   | _  | ļ        |          | _        | 1        | $\perp$   | $\perp$ |       |       | 113        | —       |    |          | <u> </u>     |          | $\dashv$ | 4          |   |
|  | 14            | Н-   | _            | ╀       | +       | +            | $\dashv$   |          |  | <u> </u>     | _        |          |  | 64       |  |  |          |          | -        | _        | 4   | +       | 4     |       | 114        | _       | _  |          | -            |          | $\dashv$ | $\dashv$   |   |
| <u> </u>   | ( <u>13</u> ) | ₩  |              | ╀       | +       | +            | _          |          |  | _            | _        |          |  | 65       | <u> </u>   | <u> </u>   |          |          |          | -        | -   |         | 4     |       | 115        | -       | _  |          | _            |          |          | <b>-</b> - |   |
| <u> </u>   | 16<br>17      | H  |              | ╀       | +       | +            | $\dashv$   |          | _  | <del> </del> | _        |          | -  | 66<br>67 | -  | $\vdash$   |          |          | _        | $\dashv$ | 4   |         |       |       | 116<br>117 |         |    | <u> </u> | _            |          | $\dashv$ | $\dashv$   |   |
| -  |               | ₩  | -            | ╀       | +       | +            | $\dashv$   |          | _  | ⊢            | -        | -        | -  | 68       | ┢  | ⊢  | _        |          | _        | +        | +   | +       | -     |       | 118        | +       | ╁  | _        | -            |          | $\dashv$ | $\dashv$   |   |
|  | 18<br>(19)    | H  | <del> </del> | ╁       | - -     | +            |            |          |  | <del> </del> | -        | ł        |  | 69       | ├  |  |          | Н        | _        | +        | -   | +       |       |       | 119        |         | +- | _        | -            | -        | $\dashv$ | $\dashv$   |   |
| $\vdash$   | 20            | <b>y</b>   | ╀─           | ╁       | ╁       | +            | $\dashv$   |          | -  | -            | ┢        | 1        | _  | 70       | <del> </del>                                     | ┝  | _        | $\vdash$ | +        | $\dashv$ | ╁   | +       |       |       | 120        | +-      | +- | _        | $\vdash$     | $\dashv$ | -        | $\dashv$   |   |
|  | 21            | ۲  |              | t       | $^{+}$  | +            | $\neg$     |          |  |              | $\vdash$ | 1        | $\vdash$   | 71       |  | $\vdash$   |          |          | -        | $\dashv$ | +   | +-      | 1     |       | 121        | +       | +  |          |              | $\dashv$ | $\dashv$ | $\dashv$   |   |
| <b></b>  | 22            | ┢  | ┢            | ╁       | +       | +            |            | -        | -  |              |          |          |  | 72       | †  | -  |          |          | -        | 十        | +   |         |       |       | 122        |         |    | -        | -            | $\neg$   | $\dashv$ | $\dashv$   | _ |
| <b></b>  | 23            | <del>                                     </del> | _            | T       | +       | 7            |            |          |  | Н            | Т        | 1        |  | 73       |  | $\vdash$   |          |          | $\neg$   | 十        | 十   | $\top$  |       |       | 123        | 1       | 1  |          |              |          | 寸        | 十          |   |
|  | 24            |  | T            | T       | $\top$  | ┪            | $\neg$     |          |  |              | $\vdash$ |          |  | 74       | m  | $\vdash$   |          |          |          | $\dashv$ | $\dashv$  |         | 1     |       | 124        |         |    |          | <b></b>      |          | $\neg$   | 寸          |   |
|  | 25            |  |              | T       |         | 7            |            |          |  |              |          |          |  | 75       |  |  |          |          |          | _        |   | _       |       |       | 125        |         |    |          |              |          | $\neg$   | ヿ          |   |
|  | 26            |  |              | Τ       | 1       | T            |            |          |  |              |          | 1        |  | 76       |  |  |          |          |          |          |   |         | 1     |       | 126        |         |    |          |              |          | T        | T          |   |
|  | 27            |  |              |         |         |              |            |          |  |              |          |          |  | 77       |  |  |          |          |          |          |   |         | ]     |       | 127        |         |    |          |              |          |          |            |   |
|  | 28            |  |              |         | I       | $\perp$      |            |          |  |              |          |          |  | 78       |  |  |          |          |          |          |   |         |       |       | 128        |         |    |          |              |          |          |            |   |
|  | 29            | L  |              | L       | 1       | 4            |            |          |  | _            |          |          |  | 79       | <u> </u>   |  |          |          |          | 4        | 4   |         | 1     |       | 129        |         |    |          |              |          | _        | _          |   |
| <u> </u>   | 30            | <u> </u>   | <u>L</u>     | L       | _       | 4            | _          |          |  |              | _        |          |  | 80       | <u> </u>   |  |          |          |          | _        | _   | _ _     | 1     |       | 130        |         | _  |          |              |          | _        | $\dashv$   | _ |
|  | 31            | _  | <u> </u>     | ╄       |         | 4            |            |          |  | ļ            |          |          |  | 81       | <u> </u>   | _  |          |          | _        | 4        |   | - -     |       |       | 131        | - -     | -  |          |              | -        | _        | $\dashv$   | _ |
| <u> </u>   | 32            | <u> </u>   | <u> </u>     | ╄-      | 4       | +            | _          |          |  | _            | _        |          |  | 82       | <u> </u>   | <u> </u>   |          |          |          | -        | +   |         |       |       | 132        | _       | -  |          | L            | $\dashv$ | -        |            |   |
| <u> </u>   | 33            | -  |              | ╀       | +       | +            | _          |          | H  | _            | $\vdash$ | {!!!!    | <u> </u>   | 83       | <del> </del>                                     | <u> </u>   | ļ        |          | -        | $\dashv$ |   |         | -     |       | 133<br>134 | +       | +  | H        | $\vdash$     | $\dashv$ | +        | $\dashv$   | _ |
|  | 34<br>35      | -  | -            | ╁       | +       | +            | -          |          | H  | -            | -        | 1        | -  | 84<br>85 |  |  | -        | $\vdash$ | -        | $\dashv$ |   | +       | -     |       | 134        |         |    | -        |              | $\dashv$ | +        | $\dashv$   | _ |
| <del></del>                                      | 36            | $\vdash$   |              | +       | +       | +            | $\dashv$   |          | -  | -            | $\vdash$ |          | _  | 86       | $\vdash$   | $\vdash$   |          | $\vdash$ | -        | +        | +   | +       | 1     |       | 136        |         | +  | -        | <del> </del> | $\vdash$ | +        | -+         |   |
| <del>                                     </del> | 37            | $\vdash$   | $\vdash$     | +       | +       | +            | $\dashv$   |          | H  | $\vdash$     | $\vdash$ |          |  | 87       | $\vdash$   | $\vdash$   | $\vdash$ | -        |          | +        | $\dashv$  |         | 1     |       | 137        | +       | +  |          | $\vdash$     | $\dashv$ | $\dashv$ | $\dashv$   |   |
|  | 38            | -  | $\vdash$     | ✝       | +       | +            | $\dashv$   | _        | <del>                                     </del> | -            | $\vdash$ |          |  | 88       | _  |  |          | $\vdash$ | $\neg$   | $\dashv$ | $\dashv$  | +       | 1     |       | 138        |         | +  | $\vdash$ | $\vdash$     | -        | +        | -+         |   |
| <del></del>                                      | 39            | Н  | 1            | 十       | +       | +            |            |          |  | <u> </u>     | -        |          | <del>                                     </del> | 89       |  | -  | $\vdash$ | H        | $\dashv$ | $\dashv$ | $\top$  | +       | 1     |       | 139        |         | +  |          | Г            | $\vdash$ | $\dashv$ | $\dashv$   |   |
|  | 40            |  | Г            | T       | T       | +            | $\neg$     |          |  |              |          | 1.00     |  | 90       | 1  | <del>                                     </del> |          | $\Box$   |          | $\dashv$ | _   | $\top$  | 1     |       | 140        | $\top$  | 1  |          | Г            | $\Box$   | $\dashv$ | $\dashv$   |   |
|  | 41            |  |              | T       | T       | 7            |            |          |  |              | Г        | 1        |  | 91       |  |  |          |          |          | $\top$   | 十   |         | 1     |       | 141        |         | T  |          |              |          | $\dashv$ | $\dashv$   |   |
|  | 42            |  |              | Ι       |         | _            |            |          |  |              |          | ]        |  | 92       |  |  |          |          |          | _1       |   |         | ]     |       | 142        |         |    |          |              |          | 一        |            |   |
|  | 43            |  |              |         | I       | $\Box$       |            |          |  |              |          |          |  | 93       |  |  |          |          |          |          | $oldsymbol{oldsymbol{oldsymbol{oldsymbol{\Box}}}$ |         |       |       | 143        |         |    |          |              |          | 丁        |            |   |
|  | 44            |  |              | L       | I       | I            |            |          |  |              |          |          |  | 94       |  |  |          |          |          |          |   |         | ]:::: |       | 144        |         |    |          |              |          |          |            |   |
|  | 45            |  | L            | L       | 1       | $\perp$      |            |          |  | L            |          | ]        |  | 95       | L  |  |          |          |          |          |   |         | ]     |       | 145        |         |    |          |              |          |          | $\Box$     |   |
|  | 46            | <u> </u>   | <u> </u>     | $\perp$ | $\perp$ | $\downarrow$ |            |          |  | L            |          |          |  | 96       |  | _  | _        |          | [        | $\perp$  |   |         |       |       | 146        | $\perp$ |    |          |              |          | $\prod$  | $\Box$     | _ |
|  | 47            | L  | _            | $\perp$ | $\perp$ | 4            | _          |          |  | ļ            | _        |          |  | 97       | <del> </del>                                     | <u> </u>   | <u> </u> | Ш        | _        | 4        | _ _   | _       | 1:::: |       | 147        | $\bot$  | 1_ | L        | _            | $\sqcup$ |          |            |   |
|  | 48            | -  | -            | ╀       | +       | 4            |            |          | <u> </u>   | _            | -        |          | -  | 98       | ₩  | _  | ├        |          | _        | $\perp$  | +   | -       | 1     |       | 148        | _ -     | 1  | ļ        |              | $\sqcup$ | 4        | $\dashv$   |   |
| <u> </u>   | 49            | -  | $\vdash$     | ╀       | +       | 4            | _          |          | <u> </u>   | <u> </u>     | <u> </u> |          | -  | 99       | ├  | $\vdash$   | $\vdash$ | $\vdash$ |          |          | +   | -       | 1     |       | 149        |         | +  | <b> </b> | <del> </del> | -        |          | _          |   |
| L  | 50            | 1_   |              |         |         |              |            |          | L  | l            | 1        | 1        | 1  | 100      | 1  | l  | ı        | ı J      | - 1      |          | 1   | 1       | 1.::: |       | 150        |         | 1  | l        | ı            | ı I      | - 1      | - 1        |   |